

Title (en)  
Aerial refueling system

Title (de)  
Luftbetankungssystem

Title (fr)  
Système de ravitaillement en vol

Publication  
**EP 1731422 A1 20061213 (EN)**

Application  
**EP 06253010 A 20060612**

Priority  
• US 68966605 P 20050610  
• US 31319005 A 20051220

Abstract (en)  
An aircraft aerial refueling system includes a fuel tank positioned in at least an aircraft wing (34,36) to store fuel. At least two fuel pumps operate to transfer the fuel from the tank to a remotely located refueling connection (38). At least one electrically controlled valve provides each of an open position permitting fuel flow and a closed position isolating fuel flow between the tank and the refueling connection. A computer system (46) automatically varies operation of any quantity of the fuel pumps and controls the electrically controlled valve between the open and closed positions during fuel transfer to the refueling connection. The system also includes double wall fuel pipe manifolds (22) in manned spaces of the aircraft.

IPC 8 full level  
**B64D 39/00** (2006.01)

CPC (source: EP US)  
**B64D 39/00** (2013.01 - EP US); **Y10T 137/0318** (2015.04 - EP US); **Y10T 137/4673** (2015.04 - EP US); **Y10T 137/4857** (2015.04 - EP US)

Citation (search report)  
• [YA] US 6889940 B1 20050510 - HOWE MARK E [US]  
• [Y] US 5297896 A 19940329 - WEBB MICHAEL C [US]

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WO2012030444A1; EP2612815A3; EP2517957A3; EP2293982A4; US8844583B2; US8485474B2; US8950186B2; US9732678B2; US7665479B2; US9409651B2; US9845160B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1731422 A1 20061213; EP 1731422 B1 20080820**; AT E405489 T1 20080915; DE 602006002315 D1 20081002; ES 2312096 T3 20090216; US 2006278761 A1 20061214; US 2009032645 A1 20090205; US 7458543 B2 20081202; US 7665479 B2 20100223

DOCDB simple family (application)  
**EP 06253010 A 20060612**; AT 06253010 T 20060612; DE 602006002315 T 20060612; ES 06253010 T 20060612; US 25258508 A 20081016; US 31319005 A 20051220